
CONFERENCE PROCEEDINGS

Kahle, A.B.; J. Schioldge; M. Abrams; and R. Alley (1981) *Some examples of the utility of HCMM data in geologic remote sensing*, presented at International Geoscience and Remote Sensing Symposium (IGARSS) '81, held in Washington, DC.

Delany, A.C.; and J.A. Businger (1988) *The development of ASTER and the accuracy of flux measurements*, presented at Symposium on Turbulence and Diffusion, held in San Diego, California.

Mahoney, C.; C. Labaw; H. Sobel; and A. Kahle (1990) *Thermal infrared imaging spectrometer - An advanced optics technology instrument*, presented at Imaging Spectroscopy of the Terrestrial Environment, held in Orlando, Florida.

Palluconi, F.; A.B. Kahle; G. Hoover; and J.E. Conel (1990) *The spectral emissivity of prairie and pasture grasses at Konza Prairie, Kansas*, presented at Symposium on FIFE - First ISLSCP Field Experiment, held in Anaheim, California.

Akasaka, A.; M. Ono; and Y. Sakurai (1991) *Short wavelength infrared (SWIR) subsystem design status of ASTER*, presented at Future European and Japanese Remote-Sensing Sensors and Programs, held in Orlando, Florida.

Aoki, Y.; H. Ohmae; and S. Kitamura (1991) *Thermal infrared subsystem design status of ASTER*, presented at Future European and Japanese Remote-Sensing Sensors and Programs, held in Orlando, Florida.

Fujisada, H.; and A. Ono (1991) *Overview of ASTER design concept*, presented at Future European and Japanese Remote-Sensing Sensors and Programs, held in Bellingham, Washington.

Ishii, Y. (1991) *Global remote sensing programs in Japan - Special emphasis on Earth resources*, presented at 11th Annual International Geoscience and Remote Sensing Symposium, held in Espoo, Finland.

Kahle, A.B. (1991) *Rock identification using thermal infrared data*, presented at 3rd International Symposium: JERS-1 and Remote Sensing in the Future, held in Tokyo, Japan.

Kahle, A.B. (1991) *Thermal infrared remote sensing of volcanoes*, presented at Quaternary Research Center Seminar Series on Remote Sensing in Quaternary Research, held in University of Washington, Seattle, Washington.

Kawada, M.; and H. Fujisada (1991) *Mechanical cooler development program for ASTER*, presented at Future European and Japanese Remote-Sensing Sensors and Programs, held in Bellingham, Washington.

Ono, A.; and F. Sakuma (1991) *ASTER calibration concept*, presented at Future European and Japanese Remote Sensing Sensors and Programs, held in Orlando,

Florida.

Tsu, H. (1991) *EOS project and ASTER (ITIR)*, presented at 3rd International Symposium: JERS-1 and Remote Sensing in the Future.

Watanabe, H.; M. Sano; F. Mills; S.H. Chang; and S. Masuda (1991) *Airborne and spaceborne thermal multispectral remote sensing*, presented at Future European and Japanese Remote-Sensing Sensors and Programs, held in Orlando, Florida.

Yamaguchi, Y.; H. Tsu; and I. Sato (1991) *Japanese mission overview of JERS and ASTER programs*, presented at Future European and Japanese Remote-Sensing Sensors and Programs, held in Orlando, Florida.

Abrams, M. (1992) *Simulation of ASTER data using AVIRIS images*, presented at 3rd Annual JPL Airborne Geoscience Workshop, held in Pasadena, California.

Arai, K.; S. Mukai; H. Watanabe; T. Tsukada; and T. Tagawa (1992) *Influence due to satellite attitude jitter on estimation of Digital Elevation Model (DEM)*, presented at Environment Observation and Climate Modelling Through International Space Projects. Navigation and Mobile Communications: Image Processing, GIS, and Space-Assisted Mapping.

Gillespie, A.R. (1992) *Spectral mixture analysis of thermal infrared images: An investigative strategy for EOS*, presented at 29th Plenary Meeting of the Committee on Space Research (COSPAR), held in Washington, DC.

Hook, S.J.; and P.S. Kealy (1992) *Recovering land surface temperatures with thermal infrared multispectral scanner data*, presented at 29th Plenary Meeting of the Committee on Space Research (COSPAR), held in Washington, DC.

Kahle, A.; and H. Tsu (1992) *The Advanced Spaceborne Thermal Emission and Reflectance Radiometer (ASTER)*, presented at Infrared Spectroscopy of Surfaces, held in San Juan Capistrano, California.

Kahle, A.B. (1992) *The nature of the problem of the determination of surface temperature using remote measurements*, presented at 29th Plenary Meeting of the Committee on Space Research (COSPAR), held in Washington, DC.

Kahle, A.B.; and H. Tsu (1992) *The Advanced Spaceborne Thermal Emission and Reflectance Radiometer (ASTER)*, presented at 6th Australasian Remote Sensing Conference, held in Wellington, New Zealand.

Kannari, Y.; F. Mills; H. Watanabe; T. Ezaka; T. Narita; and S.-H. Chang (1992) *Comparison of preliminary results from Airborne ASTER Simulator (AAS) with TIMS data*, presented at 3rd Annual JPL Airborne Geoscience Workshop, held in Pasadena, California.

Kealy, P.S.; and S.J. Hook (1992) *Separation of emissivity from temperature in diverse*

geologic terrains using thermal infrared data, presented at 29th Plenary Meeting of the Committee on Space Research (COSPAR), held in Washington, DC.

Kruse, F.A. (1992) *Geologic remote sensing - New technology, new information*, presented at 12th Annual International Geoscience and Remote Sensing Symposium, held in Houston, Texas.

Matsumoto, M.; and K. Arai (1992) *An inversion for emissivity-temperature separation with ASTER data*, presented at World Space Congress (COSPAR), held in Washington, DC.

Matsumoto, M.; and K. Tsuchiya (1992) *Selection method of initial guess values for surface temperature estimation from satellite data*, presented at World Space Congress (COSPAR), held in Washington, DC.

Mills, F.; Y. Kannari; H. Watanabe; M. Sano; and S. Chang (1992) *Thermal airborne multispectral ASTER simulator and its preliminary results*, presented at World Space Congress (COSPAR), held in Washington, DC.

Ohmae, H. (1992) *ASTER TIR subsystem and calibration*, presented at 5th Calibration/Data Product Validation Panel Meeting, held in Goddard Space Flight Center, Greenbelt, Maryland.

Ono, A. (1992) *Concept of ASTER calibration requirement*, presented at 5th Calibration/Data Product Validation Panel Meeting, held in Goddard Space Flight Center, Greenbelt, Maryland.

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Ramsey, M.S.; and P.R. Christensen (1992) *The linear unmixing of laboratory infrared spectra: Implications for the thermal emission spectrometer (TES) experiment, Mars Observer*, presented at Lunar Planetary Science XXIII.

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Salisbury, J. (1992) *Emissivity of Earth surface materials*, presented at 29th Plenary Meeting of the Committee on Space Research (COSPAR), held in Washington, DC.

Wan, Z.; and J. Dozier (1992) *Effects of temperature-dependent molecular absorption*

coefficients on the thermal infrared remote sensing of the Earth surface, presented at International Geoscience and Remote Sensing Symposium (IGARSS) '92, held in Houston, Texas.

Watanabe, H.; and F. Mills (1992) *Analysis of airborne thermal infrared multispectral data over Long Valley/Mono Lake area, California, USA (in Japanese)*, presented at 18th Remote Sensing Symposium.

Watanabe, H.; F. Mills; and S.H. Chang (1992) *Thermal airborne multispectral ASTER simulator and its preliminary results: Advances in space research*, presented at COSPAR Plenary Meeting.

Yamaguchi, Y. (1992) *In-flight cross-calibration of ASTER/TIR and MODIS-N*, presented at 5th Calibration/Data Product Validation Panel Meeting, held in Greenbelt, Maryland.

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Yamaguchi, Y.; H. Tsu; H. Fujisada; and A. Ono (1992) *Mission and design concept of Advanced Thermal Emission and Reflection Radiometer (ASTER)*, presented at 29th International Geological Congress.

Abrams, M.; V. Realmuto; D. Pieri; and L. Glaze (1993) *Recent and future remote sensing methods for observing and monitoring volcanoes*, presented at American Geophysical Union Fall Meeting, held in San Francisco, California.

Biggar, S.F.; and P.N. Slater (1993) *Preflight cross-calibration radiometer for EOS AM-1 platform visible and near-IR sources*, presented at SPIE Remote Sensing Conference, held in Bellingham, Washington.

Bothwell, G.W.; G.N. Geller; S.A. Larson; A.D. Morrison; and D.A. Nichols (1993) *ASTER, a multinational Earth observing concept*, presented at 2nd International Symposium on Ground Data Systems for Space Mission Operations.

Chalmers, D.; J. Fredley; and C. Scott (1993) *The Earth Observing System AM spacecraft - Thermal control subsystem*, presented at 28th Thermophysics Conference, held in Orlando, Florida.

Ezaka, T.; Y. Kannari; F. Mills; H. Watanabe; M. Sano; and S.H. Chang (1993) *Laboratory test results for an airborne ASTER simulator*, presented at SPIE, held in Bellingham, Washington.

Fujisada, H.; and A. Ono (1993) *Anticipated performance of ASTER instrument in EM design phase (elevation model)*, presented at Sensor Systems for the Early Earth Observing System Platforms, held in Orlando, Florida.

Isoda, M.; T. Takenouchi; M. Kimata; H. Akao; H. Michioka; and M. Ono (1993) *Design*

challenges of ASTER in shortwave infrared spectral region, presented at SPIE, held in Bellingham, Washington.

Kahle, A.B. (1993) *ASTER, a new spaceborne instrument which will contribute to thermal remote sensing of the energy and water balance over land surfaces*, presented at Workshop on Thermal Remote Sensing of the Energy and Water Balance Over Vegetation in Conjunction With Other Sensors, held in La Londe Les Maures, France.

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Kumita, K.; S. Uno; I. Hayashi; and G. Saito (1993) *Quantification of soil content in vegetated areas by remote sensing*, presented at International Geoscience and Remote Sensing Symposium (IGARSS) '93, held in Tokyo, Japan.

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Mah, G.R.; J.C. Eidenshink; K.W. Sheffield; and J. Myers (1993) *Earth Observing System precursor data sets*, presented at SPIE, held in Bellingham, Washington.

Mah, G.R.; and J. Myers (1993) *AVIRIS and TIMS data processing and distribution at the Land Processes Distributed Active Archive Center*, presented at 4th Annual JPL Airborne Geoscience Workshop, held in Pasadena, California.

Matsunaga, T. (1993) *An emissivity-temperature separation technique based on an empirical relationship between mean and range of spectral emissivity (in Japanese with English abstract)*, presented at 14th Japanese Conference on Remote Sensing.

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Matsunaga, T.; and S. Rokugawa (1993) *Surface reflection of thermal radiance from surrounding materials (in Japanese with English abstract)*, presented at 15th Japanese Conference on Remote Sensing.

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Moriyama, M.; and K. Arai (1993) *A simplified expression of the radiative transfer equation in thermal IR window spectrum*, presented at International Geoscience and Remote Sensing Symposium (IGARSS) '93, held in Tokyo, Japan.

Moriyama, M.; and K. Arai (1993) *Some ideas for iterative estimation of atmospheric condition, surface temperature and emissivity*, presented at International Geoscience and Remote Sensing Symposium (IGARSS) '93, held in Tokyo, Japan.

Okada, K.; and M. Ishii (1993) *Mineral and lithological mapping using thermal infrared remotely sensed data from ASTER simulator*, presented at International Geoscience and Remote Sensing Symposium (IGARSS) '93, held in Tokyo, Japan.

Ono, M. (1993) *Band to band coregistration of SWIR images*, presented at International Geoscience and Remote Sensing Symposium (IGARSS) '93, held in Tokyo, Japan.

Pieri, D.; M. Abrams; V. Realmuto; and L. Glaze (1993) *The protection of aircraft by orbital surveillance of volcanoes: A review*, presented at WOVO Workshop on Volcano Observations, held in Guadalupe, Martinique.

Ramsey, M.S.; D.A. Howard; P.R. Christensen; and N. Lancaster (1993) *Mineralogic variability of the Kelso Dunes, Mojave Desert, California derived from Thermal Infrared Multispectral Scanner (TIMS) data*, presented at 4th Annual JPL Airborne Geoscience Workshop, held in Pasadena, California.

Rokugawa, S. (1993) *Considerations on applicabilities of some temperature and emissivity separation methods by the spectral library (in Japanese with English abstract)*, presented at 14th Japanese Conference on Remote Sensing.

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Rokugawa, S. (1993) *Linear relationships in spectral emissivity of terrestrial materials and temperature/emissivity separation (in Japanese with English abstract)*, presented at 15th Japanese Conference on Remote Sensing.

Rokugawa, S. (1993) *Spectral features of terrestrial materials based on simultaneous observation data of VNIR and TIR (in Japanese with English abstract)*, presented at 15th Japanese Conference on Remote Sensing.

Rokugawa, S.; I. Sato; Y. Yamaguchi; H. Watanabe; F. Mills; and S.H. Chang (1993) *Estimation of land surface characteristics using an airborne ASTER simulator*, presented at International Geoscience and Remote Sensing Symposium (IGARSS) '93, held in Tokyo, Japan.

Shimizu, Y.; Y. Narimatsu; and M. Hiramatsu (1993) *Design challenges of ASTER in visible and near-infrared spectral region (Advanced Spaceborne Thermal Emission and Reflection Radiometer)*, presented at SPIE, held in Bellingham, Washington.

Thome, K.J.; S.F. Biggar; and P.N. Slater (1993) *Recent absolute radiometric calibration of Landsat-5 TM and its application to the atmospheric correction of ASTER in the solar reflective region*, presented at Landsat Atmospheric Correction Workshop, held in Los Angeles, California.

Tsu, H.; and A.B. Kahle (1993) *Overview of ASTER project in EOS*, presented at International Geoscience and Remote Sensing Symposium (IGARSS) '93, held in Tokyo, Japan.

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Watanabe, H.; F. Mills; M. Sano; and T. Tagawa (1993) *Recent progress in geologic application of airborne and spaceborne remote sensing*, presented at Observations of Earth From Space (COSPAR).

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Yamaguchi, Y.; H. Tsu; I. Sato; Y. Miyazaki; H. Fujisada; A. Ono; and A.B. Kahle (1993) *Mission requirements for Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER)*, presented at 9th Thematic Conference on Geological Remote Sensing, held in Pasadena, California.

Fujisada, H. (1994) *Overview of ASTER instrument on EOS-AM1 platform*, presented at Infrared Spaceborne Remote Sensing II, held in San Diego, California.

Kiyota, H.; M. Kobayashi; H. Akao; and K. Kawajiri (1994) *Long life spaceborne*

cryocooler for ASTER/SWIR (Advanced Spaceborne Thermal Emission and Reflection Radiometer/Short Wavelength Infrared Radiometer, presented at SPIE, held in Bellingham, Washington.

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Thome, K.J. (1994) *Proposed atmospheric correction for the solar-reflective bands of the Advanced Spaceborne Thermal Emission and Reflection Radiometer*, presented at International Geoscience and Remote Sensing Symposium (IGARSS) '94, held in Pasadena, California.

Thome, K.J.; S.F. Biggar; D.I. Gellman; and P.N. Slater (1994) *Absolute-radiometric calibration of Landsat-5 Thematic Mapper and the proposed calibration of the Advanced Spaceborne Thermal Emission and Reflection Radiometer*, presented at International Geoscience and Remote Sensing Symposium (IGARSS) '94, held in Pasadena, California.

Yamaguchi, Y.; H. Tsu; H. Fujisada; A. Kahle; and D. Nichols (1994) *ASTER instrument design and science objectives [Advanced Spaceborne Thermal Emission and Reflection Radiometer]*, presented at 32nd Aerospace Sciences Meeting and Exhibit, held in Reno, Nevada.

Abrams, M.; A. Kahle; M. Kishino; and H. Tsu (1995) *The EOS Advanced Spaceborne Thermal Emission Reflectance Radiometer (ASTER): High resolution imager*, presented at 3rd Thematic Conference on Remote Sensing for Marine and Coastal Environments, held in Seattle, Washington.

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Fujisada, H.; and H. Watanabe (1995) *ASTER Level-1 data processing concept (Advanced Spaceborne Thermal Emission and Reflection Radiometer)*, presented at Platforms and Systems, held in Rome, Italy.

Fukushima, M. (1995) *Thermal control system of ASTER. II*, presented at SAE, 25th International Conference on Environmental Systems, held in San Diego, California.

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Matsunaga, T. (1995) *Coral reef mapping program using Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER)*, presented at AGU 1995 Fall Meeting, held in San Francisco, California.

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Numata, Y.; K. Saito; Y. Yamano; Y. Yasuoka; and M. Kaku (1995) *Ground based observation of vegetation coverage, LAI and APAR to develop new vegetation indices algorithm for ASTER*, presented at, held in Chiba University, Chiba, Japan.

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Yamaguchi, Y.; H. Tsu; T. Kawakami; H. Watanabe; A.B. Kahle; D.A. Nichols; and A.D. Morrison (1995) *ASTER data acquisition scenario [ASTER - Advanced Spaceborne Thermal Emission and Reflection Radiometer]*, presented at Advanced and Next-Generation Satellites, held in Paris, France.

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